
सिल्वर क्लिप सेट

भाग 3 क्लिप रैक

(पहला पुनरीक्षण)

Silver Clip Sets

Part 3 Clip Racks

(First Revision)

ICS 11.040.30

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FOREWORD

This Indian Standard (First Revision) (Part 3) was adopted by the Bureau of Indian, after the draft finalized by the Neurosurgery Instruments, Implants and Accessories Sectional Committee had been approved by the Medical Equipment and Hospital Planning Division Council.

This standard was originally published in 1981. This revision aligns the cross references to the latest standards and incorporates the revised designation for stainless steel. After publication of this standard, IS 9401 (Part 3) : 1981 stands withdrawn

The composition of the Committee responsible for formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Indian Standard
SILVER CLIP SET
PART 3 CLIP RACKS
(First Revision)

1 SCOPE

This standard covers dimensional and other requirement for rack for keeping silver clips used in neurosurgery.

2 REFERENCES

The standard given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of these standards.

<i>IS No.</i>	<i>Title</i>
IS 6603 : 2001	Stainless steel bars and flats — Specification (<i>first revision</i>)
IS 6528 : 1995	Stainless steel wire — Specification (<i>first revision</i>)
IS 6911 : 2017	Stainless steel plate, sheet and strip — Specification (<i>second revision</i>)
IS 7531 : 1990	Methods for testing of corrosion resistance of stainless steel surgical instruments (<i>first revision</i>)

3 SHAPE AND DIMENSIONS

Shape and dimensions of racks shall be as shown in Fig. 1. Rack may also be double range type, if required by the purchaser. Permissible tolerance on various dimensions are as given below:

- a) ± 0.1 mm for dimensions up to 2 mm;
- b) ± 0.5 mm for dimensions above 2 mm and up to 5 mm;
- c) ± 1.0 mm for dimensions above 5 mm and up to 20 mm;
- d) ± 2.5 mm for dimensions above 20 mm and up to 100 mm; and

- e) ± 5.0 mm for dimensions above 100 mm and up to 200 mm.

4 MATERIAL

Various components of rack shall be made from stainless steel of compositions as indicated below:

<i>Sl No.</i>	<i>Component</i>	<i>Stainless Steel Conforming to</i>
(1)	(2)	(3)
i)	Rack and base	Designation X20Cr13 of IS 6603 : 2001
ii)	Rack cover	Designation X20Cr13 of IS 6911 : 2017
iii)	Screws	Designation X20Cr13 of IS 6603 : 2001 or IS 6528 : 1995

5 WORKMANSHIP AND FINISH

5.1 The rack shall be formed by machining and cutting the slots precisely according to dimensions shown in Fig. 1. The rack shall be firmly affixed to its base with the help screws.

5.2 The rack cover shall be neither too tight nor too loose, when secured in position and shall be able to slide freely when all the slots are full with clips.

5.3 All the edges and surfaces shall be finished smooth and free from burs, pits, sharp edges, cracks and other defects. All components shall be polished bright and passivated.

6 CORROSION RESISTANCE

The racks shall show no sign of corrosion when tested in accordance with IS 7531.

7 MARKING

7.1 Each rack, on its base, shall be marked with the manufacturer's name, initials or recognized trade-mark, the country of manufacturer and the words 'SS' or 'Stainless Steel'.

7.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

8 PACKING

Each rack shall be wrapped in a moisture-proof paper/polyethylene bag and packed in cardboard carton. Alternatively, packing may be done as agreed between the purchaser and the manufacturer or in accordance with the current trade practices. (Only biodegradable material shall be used for packaging).

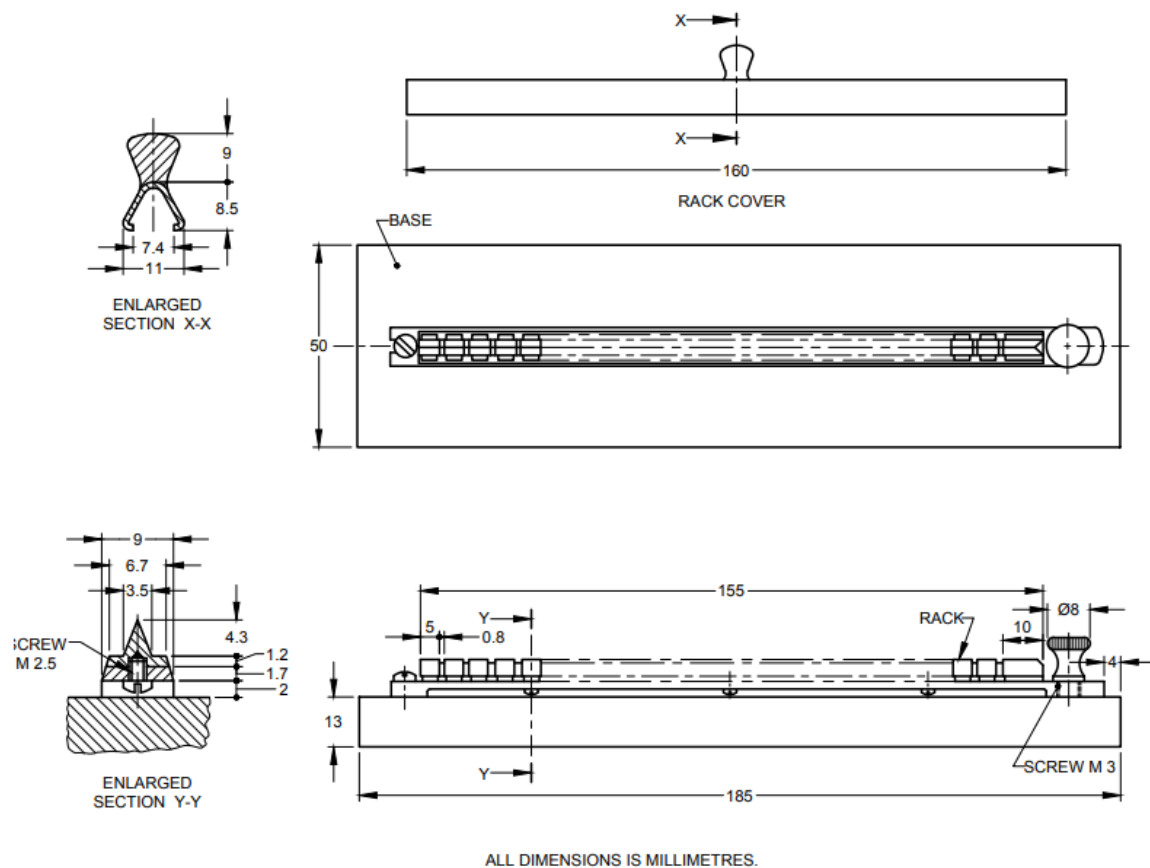


FIG. 1 RACK CLIP

ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Neurosurgery Instruments Implants and Accessories Sectional Committee, MHD 07

<i>Organization(s)</i>	<i>Representative(s)</i>
G B Pant Hospital, New Delhi	PROF DALJIT SINGH (Chairperson)
All India Institute of Medical Sciences, New Delhi	DR S. S. KALE DR P SARAT CHANDRA (<i>Alternate</i>)
B. Braun Medical India Private Limited, New Delhi	DR ANMOL KUMAR RAY MS GAYATRI GARG (<i>Alternate I</i>) SHRI ARIHANT JAIN (<i>Alternate II</i>)
Boston Scientific India Private Limited, Gurugram	SHRI DEV CHOPRA SHRI PRASHANTH PRABHAKAR (<i>Alternate</i>)
Central Drugs Standard Control Organization, New Delhi	DR RAVI KANT SHARMA
Christian Medical College, Vellore	DR SARVPREET SINGH GREWAL
Defence Bio-Engineering and Electromedical Laboratory, Ministry of Defence, Bengaluru	DR JAYANT DANIEL DR G. SRIPATHY (<i>Alternate</i>)
Directorate General Armed Forces Medical Service, New Delhi	AIR CMDE M. S. SRIDHAR DR A ARIVAZHAGAN (<i>Alternate</i>)
Directorate General of Health Services, New Delhi	DR AJAY CHOUDHARY DR K. B. SHANKER (<i>Alternate</i>)
G Surgiwear Limited, Hathoura Bujurg	DR GHANSHYAM DAS AGRAWAL SHRI EHTISHAM AHMED KHAN (<i>Alternate</i>)
HLL Lifecare Limited 	DR ABI SANTHOSH APREM DR JEEVAN DOSS (<i>Alternate</i>)
Indian Institute of Technology Bombay, Mumbai	PROF DIPTI GUPTA
Indian Institute of Technology Hyderabad, Hyderabad	DR ARAVIND KUMAR RENGAN DR AVINASH ERANKI (<i>Alternate I</i>) DR KOUSIK SARATHY S. (<i>Alternate II</i>)
Indian Institute of Technology Kanpur, Kanpur	DR NITIN GUPTA DR D. S. KATTI (<i>Alternate</i>)
Indian Institute of Technology Kharagpur, Kharagpur	DR PRANAB KR DUTTA DR MANJUNATHA M. (<i>Alternate</i>)
Johnson and Johnson Private Limited, Mumbai	SHRI YATEEN SHAH

IS 9410 (Part 3) : 2023

<i>Organization(s)</i>	<i>Representative(s)</i>
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King George's Medical University, Lucknow	DR B. K. OJHA DR. ANIL CHANDRA (<i>Alternate</i>)
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Sir Ganga Ram Hospital, New Delhi	DR SATNAM CHHABRA DR V. S. MADAN (<i>Alternate</i>)
South India Surgical Company Limited(SISCO), Chennai	SHRI ASHOK BAJAJ SHRI BHARAT BHUSHAN (<i>Alternate</i>)
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Stryker India Private Limited, Gurugram	SHRI SHIVKUMAR HURDALE
BIS Directorate General	SHRI A. R. UNNIKRISHNAN SCIENTIST 'F'/SENIOR DIRECTOR AND HEAD (MEDICAL EQUIPMENT AND HOSPITAL PLANNING) [REPRESENTING DIRECTOR GENERAL (<i>Ex-officio</i>)]

Member Secretary
MS UROOSA WARSI
SCIENTIST 'B'/ASSISTANT DIRECTOR
(MEDICAL EQUIPMENT AND HOSPITAL PLANNING), BIS

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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